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## EUROPEAN PATENT APPLICATION

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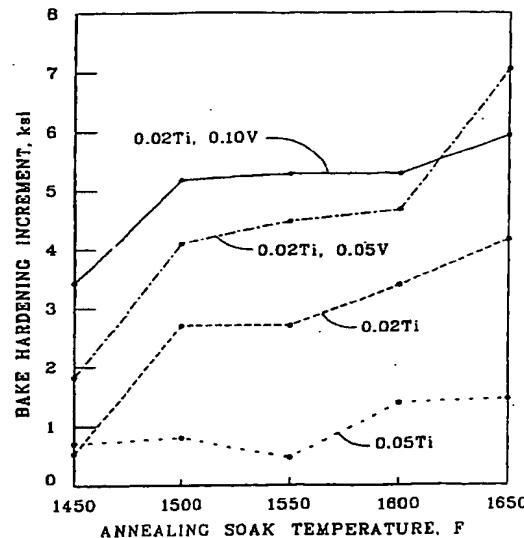
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### (54) Bake hardenable vanadium containing steel

(57) The present invention refers to a rolled steel article consisting essentially of by weight percent:  
0.0005 to less than 0.1 % carbon;  
between zero and up to 2.5 % manganese;  
between zero and up to 0.5 % aluminium;  
between zero and up to 0.5 % of a nitride forming element selected from the group consisting of boron, zirconium and titanium;  
between zero and less than 0.04 % nitrogen;  
between 0.005 and less than 0.6 % vanadium;  
between zero and up to 1.0 % silicon and  
between zero and up to 0.25 % phosphorus;  
with the balance being iron and inevitable impurities,  
characterized in that the ratio of vanadium to carbon is 10 or above. Moreover the application is directed to a method for producing the same.



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## EUROPEAN SEARCH REPORT

Application Number

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X	PATENT ABSTRACTS OF JAPAN vol. 017, no. 589 (C-1124), 27 October 1993 (1993-10-27) -& JP 05 171351 A (NKK CORP), 9 July 1993 (1993-07-09) * Page 7, table, in particular sample 4 * * abstract *	1-7, 13-18, 23-26	C22C38/12 C22C1/02 B21B1/22
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The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
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T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons S : member of the same patent family, corresponding document			



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## EUROPEAN SEARCH REPORT

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L	<p>WO 97 32051 A (BETHLEHEM STEEL CORP ;TAYLOR KEITH A (US); SPEER JOHN G (US)) 4 September 1997 (1997-09-04) * Claims *</p> <p>---</p>	1-30	<p>TECHNICAL FIELDS SEARCHED (Int.Cl.)</p>
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CATEGORY OF CITED DOCUMENTS		<p>T : theory or principle underlying the invention  E : earlier patent document, but published on, or  after the filing date  D : document cited in the application  I : document cited for other reasons  S : member of the same patent family, corresponding  document</p>	
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			

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